



APPENDIX A

VERSION WITH MARKINGS TO SHOW CHANGES MADE

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IN THE SPECIFICATION:

*Please replace the fourth complete paragraph at page 7, with the following rewritten paragraph:*

In a further preferred embodiment of the present invention, said epitope comprises the amino acid sequences

KESPLQ (SEQ ID NO: 2), YSSPGSP (SEQ ID NO: 3), PGSPGT (SEQ ID NO: 4), YSSPGSPGTPGS (SEQ ID NO: 5), PKSPSS (SEQ ID NO: 6), YKSPVVS (SEQ ID NO: 7), GDTSPRH (SEQ ID NO: 8), MVDSPQL (SEQ ID NO: 9), PLQTPTE (SEQ ID NO: 10), LKESPLQTPTED (SEQ ID NO: 11), AKSTPTA (SEQ ID NO: 12), IGDTPSL (SEQ ID NO: 13), KIATPRGA (SEQ ID NO: 14), PAKTPPA (SEQ ID NO: 15), APKTPPS (SEQ ID NO: 16), PAKTPPAPKTPPS (SEQ ID NO: 17), SPGTPGS (SEQ ID NO: 18), RSRTPSL (SEQ ID NO: 19), SLPTPPT (SEQ ID NO: 20), RSRTPSLPTPPT (SEQ ID NO: 21), VVRTPPK (SEQ ID NO: 22), VVRTPPKSPSSA (SEQ ID NO: 23), KIGSTENLK (SEQ ID NO: 24), KCGSKDNIK (SEQ ID NO: 25), KCGSLGNIH (SEQ ID NO: 26), KIGSLDNITH (SEQ ID NO: 27).

*Please replace the description of Fig 1a, at page 23, with the following rewritten paragraph:*

Fig. 1a: Aminoacid sequence of tau (SEQ ID NO: 1) (isoform htau40, Goedert et al., 1989). The motifs SP, TP, IGS and CGS are highlighted.

*Please replace the description of Fig 3, at pages 24-25, with the following rewritten paragraph:*

Fig. 3: Diagram of constructs K3M, K10, K19, and K17. K19 (99 residues) contains the sequence Q244-E372 (SEQ ID NO 28) of htau23 plus an N-terminal methionine. This comprises three of the repeats (repeat 1, 3, and 4; repeat 2 is absent in htau23). K10 (168 residues) is similar, except that it extends to the c-terminus of htau23 (L441). K17 (145 residues) contains the sequence S198-E372 (assembly domain starting at the chymotryptic cleavage site, up to end of fourth repeat, but without the second repeat, plus an N-terminal methionine). K3M (335 residues) contains the N-terminal 154 residues of bovine tau4, plus the sequence

R221-L441 of htau23 (without second repeat). The location of peptide S198-T220 is indicated in K17. By comparison of the constructs the epitope of AT8 must be in this region (see Fig. 4).

*Please replace the description of Fig 5, at page 25, with the following rewritten paragraph:*

Fig. 5: Diagram of tryptic peptide S195-R209. The 15 residue peptide (SEQ ID NO: 29) (containing 5 serines and 1 threonine) was labeled with two radioactive phosphates at S199 and S202, as [determiend] determined by sequencing.

*Please replace the description of Fig 41, at page 43, with the following rewritten paragraph:*

Fig. 41: Diagram of htau40, highlighting the first microtubule-binding repeat (SEQ ID NO: 30) and the Ser262 that is important for microtubule binding.